

STOPRAY VISION

The best coatings for performance and aesthetics



With Stopray Vision, the neutral aesthetics and high-performance are no longer incompatible. These double-silver coatings provide high light transmission, low reflection, excellent solar control and thermal insulation. When used in double or triple glazing, these magnetron-coated glass products are perfect solution for the hot Middle East climates. Stopray Vision-40T and Vision-51T can be heat-treated and are available in large sizes, giving architects great freedom and flexibility when designing prestigious projects. Finally, these double silver coatings are produced locally at AGC Obeikan, ensuring the customer needs are satisfied faster and better.

Stopray Vision-40T and Vision-51T

What's so special about it? | What does this mean for you?

Very high level of selectivity – The best balance between a high level of natural light and a low level of heat throughput

Very high level of solar protection – Lower air conditioning costs

Better thermal insulation – U_g -value of 1.3 W/(m².K) (details can be referred to performances table)

Two products with two levels of light and energy performances – Capable of meeting all aesthetics and functional requirements

Low internal light reflection – Guarantee a neutral aspect and a perfect view towards outside world

Low external light reflection – In line with current architectural trends

Additional combinations – Used exclusively in double glazing
– Can be laminated by a glass processor*
– Must be heat-treated and does require edge-deletion**

* Please follow the processing instructions in the "Stopray Vision Processing Guide" that can be found on www.agc-obeikanglass.com.sa and www.agc-yourglass.com
** In order to reach similar aesthetics, it is recommended not to mix annealed and heat-treated glass on the same building.

Performances*

| Product name | Coating position | Colour rendering index (%) | EN 410 | | | | | | EN 673 | American Standards | | | | | |
|--|------------------|----------------------------|--------|------|---------------|---------------|------|------|------------------------------------|---------------------|------|-------------------------|----------|---------------------------------------|---------------------------------------|
| | | | LT % | SF % | LR % External | LR % Internal | EA % | SC | U_g -value W/(m ² .K) | NFRC 200 & NFRC 300 | | | NFRC 100 | | |
| | | | | | | | | | | SC | SHGC | RHG (W/m ²) | LSG | U-Factor winter W/(m ² .K) | U-Factor summer W/(m ² .K) |
| Insulating double glazing unit 6-12-6 Clear float with 100% Air | | | | | | | | | | | | | | | |
| Stopray Vision-40T | Position 2 | 92 | 40 | 22 | 19 | 15 | 39 | 0.25 | 1.5 | 0.23 | 0.20 | 159 | 1.96 | 1.63 | 1.56 |
| Stopray Vision-51T | Position 2 | 92 | 50 | 28 | 14 | 14 | 39 | 0.32 | 1.5 | 0.30 | 0.26 | 199 | 1.93 | 1.62 | 1.56 |
| Insulating double glazing unit 6-16-6 Clear float with 100% Air | | | | | | | | | | | | | | | |
| Stopray Vision-40T | Position 2 | 92 | 40 | 22 | 19 | 15 | 39 | 0.25 | 1.3 | 0.23 | 0.20 | 154 | 2.00 | 1.67 | 1.29 |
| Stopray Vision-51T | Position 2 | 92 | 50 | 28 | 14 | 14 | 39 | 0.32 | 1.3 | 0.29 | 0.25 | 194 | 2.00 | 1.67 | 1.29 |

* The calculations were made with AGC Glass Configurator available at www.agc-yourglass.com. All calculations are subject to fabrication tolerances and unit composition.

Processing Options

| | Heat treatment | Bending | Lamination | Edge deletion | Ceramic frit | Shelf life |
|--------------------|----------------|---------|------------|---------------|--------------|------------|
| Stopray Vision-40T | Yes* | Yes | Yes | Yes** | Yes | 3 months |
| Stopray Vision-51T | Yes* | Yes | Yes | Yes** | Yes | 3 months |

* Must be heat-treated before use

** Please follow the processing instructions in the "Stopray Vision Processing Guide" that can be found on www.agc-obeikanglass.com.sa and www.agc-yourglass.com

Availability

Stopray Vision-40T and Vision-51T products are available in different thicknesses and different dimensions.